

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 01 West Levee			Right	2.73
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/23/2019 - 4/23/2019			
DWR Inspector	Zach Jojola			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/23/2019 04/23/2019	Zach Jojola

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_ST0011_01_s_2013_5				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has the levee O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_ST0011_01_s_2013_6				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a stockpile of flood response materials.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_ST0011_01_s_2013_7				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a written flood response plan and regular flood response training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/23/2019 04/23/2019	Zach Jojola

LM Start	0.02	Rating **	M	Issue No.	12
LM End	2.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.758946 °	38.724234 °
				-121.667169 °	-121.665214 °
DWR ID	DWR_ST0011_01_s_2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.02	Rating **	M	Issue No.	3
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.758947 °	38.724234 °
				-121.667169 °	-121.665214 °
DWR ID	DWR_ST0011_01_s_2019_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2019_ST0011_291_3_20190424_00016.jpg



View of vegetation on the landside slope. Spring 2019.

LM Start	0.12	Rating **	M	Issue No.	10
LM End	1.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.758827 °	38.738955 °
				-121.665492 °	-121.660280 °
DWR ID	DWR_ST0011_01_f_2016_10				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 3 : SP_2019_ST0011_291_10_20190304_00005.jpg



Updated view of fence at landside toe. Spring 2018.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/23/2019 04/23/2019	Zach Jojola

LM Start	0.12	Rating **	M	Issue No.	10 (cont)	
LM End	1.55	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.758827 °	38.738955 °	
				-121.665492 °	-121.660280 °	
DWR ID	DWR_ST0011_01_f_2016_10					
Comment Code						
FE : Fence						
Inspector Comment						

Photo 2 of 3 : SP_2019_ST0011_291_10_20190304_00006.jpg



View of fence located within 10-foot easement of landside toe. Fall 2016.

LM Start	0.12	Rating **	M	Issue No.	10 (cont)
LM End	1.55	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2019_ST0011_291_10_20190304_00007.jpg



Another view of fence located within 10-foot easement of landside toe. Fall 2016.

LM Start	0.14	Rating **	C	Issue No.	11
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.758536 °	38.758536 °
				-121.665264 °	-121.665264 °
DWR ID	DWR_ST0011_01_f_2018_11				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/23/2019 04/23/2019	Zach Jojola

LM Start	0.94	Rating **	M	Issue No.	8
LM End	1.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.747888 °	38.734972 °
				-121.660202 °	-121.660265 °
DWR ID	DWR_ST0011_01_s_2012_8				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee.					

Photo 1 of 1 : SP_2019_ST0011_291_8_20190304_00002.jpg



View of the ditch on the landward side of the levee. Fall 2015.

LM Start	1.70	Rating **	M	Issue No.	9
LM End	1.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.736842 °	38.735498 °
				-121.660285 °	-121.660287 °
DWR ID	DWR_ST0011_01_f_2016_9				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 2 : SP_2019_ST0011_291_9_20190304_00003.jpg



View of fence along the ditch on landside. Fall 2016.

LM Start	1.70	Rating **	M	Issue No.	9 (cont)
LM End	1.79	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2019_ST0011_291_9_20190304_00004.jpg



Another view of fence along the ditch on landside. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/23/2019 04/23/2019	Zach Jojola

LM Start	2.36	Rating **	A/W	Issue No.	13
LM End	2.51	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.727250 °	38.725678 °
				-121.660234 °	-121.661697 °
DWR ID	DWR_ST0011_01_f_2017_13				

Comment Code

Inspector Comment

Levee Evaluation Comments

Description:

Site ID No:197

Site Designation:ST11-U1-01

Repair Type: Erosion

Rating:Area of Concern

Field Date:5/31/2017

Notes: This site had wave wash around a bend including on an access ramp. The site has been accepted for repair by USACE under PL84-99, but is a lower priority so will not be fixed before this flood season.

LM Start	2.36	Rating **	A/W	Issue No.	13 (cont)
LM End	2.51	Issue Type +	Ob	Location *	

Photo 1 of 2 : SP_2019_ST0011_291_13_20190304_00008.jpg



View of wave wash at waterside toe. Fall 2017.

Photo 2 of 2 : SP_2019_ST0011_291_13_20190304_00009.jpg



View of wavewash on access ramp near waterside toe. Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/23/2019 04/23/2019	Zach Jojola

LM Start	2.63	Rating **	M	Issue No.	4
LM End	2.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.724853 °	38.724228 °
				-121.663647 °	-121.665137 °
DWR ID	DWR_ST0011_01_s_2012_4				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the toe of the levee.					

Photo 1 of 1 : SP_2019_ST0011_291_4_20190304_00001.jpg



View of the ditch at the toe of the levee on the landward side. Spring 2016.

LM Start	2.63	Rating **	A/W	Issue No.	14
LM End	2.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.724824 °	38.724824 °
				-121.663702 °	-121.663702 °
DWR ID	17742				
Comment Code					
Inspector Comment					
FS_ID:53232 DS_ID:17742 EP_NO: 10284 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Screw gates where removed and pipe was abanded by farmer, How pipe was abanded is unknown. Pipe is Grouted FIELD_STRUCT_DESC: 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borde and Hoover). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 127, June 1953, (Station 133+82)]. FS Date: 11/16/2018 2:17:55 PM					

Photo 1 of 3 : UCIP_SP_2019_53232_60304.jpg



Waterside view: overview (pipe not found)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/23/2019 04/23/2019	Zach Jojola

LM Start	2.63	Rating **	A/W	Issue No.	14 (cont)	
LM End	2.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.724824 °		38.724824 °
				-121.663702 °		-121.663702 °
DWR ID	17742					
Comment Code						
Inspector Comment						
FS_ID:53232 DS_ID:17742 EP_NO: 10284 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Screw gates where removed and pipe was abandoned by farmer, How pipe was abandoned is unknown. Pipe is Grouted FIELD_STRUCT_DESC: 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borda and Hoover). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 127, June 1953, (Station 133+82)]. FS Date: 11/16/2018 2:17:55 PM						

LM Start	2.63	Rating **	A/W	Issue No.	14 (cont)
LM End	2.63	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2019_53232_60303.jpg



Landside view: concrete spillbox/headwall and pipe (top view)

Photo 3 of 3 : UCIP_SP_2019_53232_60302.jpg



Landside view: side of concrete spillbox/headwall

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/23/2019 04/23/2019	Zach Jojola

LM Start	2.64	Rating **	A/W	Issue No.	15 (cont)
LM End	2.64	Issue Type +	Ma	Location *	

Landside view: concrete spill box

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/23/2019 04/23/2019	Zach Jojola

LM Start	2.64	Rating **	A/W	Issue No.	15 (cont)	
LM End	2.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.724811 °		38.724811 °
				-121.663736 °		-121.663736 °
DWR ID	17747					
Comment Code						
Inspector Comment						
FS_ID:53233 DS_ID:17747 EP_NO: 10284 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: No slide gate found. slide gates and pipes were abandon by farmer, how unknown FIELD_STRUCT_DESC: 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 23.6 feet below the crown. Slide gate on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. (42-inch pipe [HLM 2.63] authorized under Automatic Board Order (ABO) issued as Permit No. 10284, 1974 - La Borde and Hoover). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 127, June 1953, (Station 133+82)]. FS Date: 11/16/2018 2:19:35 PM						

Photo 3 of 3 : UCIP_SP_2019_53233_60307.jpg



Landside view: CM pipe with flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 02 West Levee			Right	1.52
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/23/2019 - 4/23/2019			
DWR Inspector	Zach Jojola			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

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- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

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If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	04/23/2019 04/23/2019	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	1
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.719037 °	38.698644 °
				-121.664097 °	-121.674132 °
DWR ID	DWR_ST0011_02_s_2019_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2019_ST0011_292_1_20190424_00006.jpg



View of vegetation on the landside slope. Spring 2019.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	1.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.719036 °	38.698644 °
				-121.664097 °	-121.674132 °
DWR ID	DWR_ST0011_02_s_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.47	Rating **	M	Issue No.	3
LM End	0.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.712813 °	38.706018 °
				-121.667349 °	-121.670831 °
DWR ID	DWR_ST0011_02_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch was deepened to approximately 10 ft.					

Photo 1 of 3 : SP_2019_ST0011_292_3_20190304_00001.jpg



View of the ditch at the landward side of the levee looking downstream. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	04/23/2019 04/23/2019	Zach Jojola

LM Start	0.47	Rating **	M	Issue No.	3 (cont)	
LM End	0.97	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.712813 °		38.706018 °
				-121.667349 °		-121.670831 °
DWR ID	DWR_ST0011_02_s_2012_3					
Comment Code						
DT : Ditch						
Inspector Comment						
Ditch was deepened to approximately 10 ft.						

Photo 2 of 3 : SP_2019_ST0011_292_3_20190304_00002.jpg



View of the ditch on landward side. Ditch was deepened to approximately 10 ft. Fall 2016.

LM Start	0.47	Rating **	M	Issue No.	3 (cont)
LM End	0.97	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2019_ST0011_292_3_20190304_00003.jpg



View of the ditch on landward side. Fall 2016.

LM Start	1.01	Rating **	M	Issue No.	5
LM End	1.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.705475 °	38.699637 °
				-121.671135 °	-121.674112 °
DWR ID	DWR_ST0011_02_s_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee.					

Photo 1 of 2 : SP_2019_ST0011_292_5_20190304_00004.jpg



View of ditch at landside toe, looking upstream. Fall 2017.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	04/23/2019 04/23/2019	Zach Jojola

LM Start	1.01	Rating **	M	Issue No.	5 (cont)	
LM End	1.44	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.705475 °		38.699637 °
				-121.671135 °		-121.674112 °
DWR ID	DWR_ST0011_02_s_2012_5					
Comment Code						
DT : Ditch						
Inspector Comment						
The ditch is at the toe of the levee.						

Photo 2 of 2 : SP_2019_ST0011_292_5_20190304_00005.jpg



View of the ditch on the landward side of the levee looking downstream.
Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 03 West Levee			Right	1.15
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/23/2019 - 4/23/2019			
DWR Inspector	Zach Jojola			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	04/23/2019 04/23/2019	Zach Jojola

LM Start	0.01	Rating **	M	Issue No.	3
LM End	0.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.698445 °	38.687494 °
				-121.674113 °	-121.673743 °
DWR ID	DWR_ST0011_03_s_2019_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2019_ST0011_293_3_20190424_00004.jpg



View of vegetation on the waterside slope. Spring 2019.

LM Start	0.01	Rating **	M	Issue No.	2
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.698445 °	38.687494 °
				-121.674112 °	-121.673743 °
DWR ID	DWR_ST0011_03_s_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	04/23/2019 04/23/2019	Zach Jojola

LM Start	0.03	Rating **	M	Issue No.	4	
LM End	0.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.698204 °	38.698204 °	
				-121.674080 °	-121.674080 °	
DWR ID	17756					
Comment Code						
Inspector Comment						
FS_ID:53252 DS_ID:17756 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation or drainage pipe through the levee, 3 feet below the crown. FS Date: 11/21/2018 8:24:23 AM						

LM Start	0.03	Rating **	M	Issue No.	4 (cont)
LM End	0.03	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_53252_60378.jpg



Waterside view: an abandoned steel pipe.

Photo 2 of 3 : UCIP_SP_2019_53252_60377.jpg



Landside view: an abandoned steel pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	04/23/2019 04/23/2019	Zach Jojola

LM Start	0.03	Rating **	M	Issue No.	4 (cont)	
LM End	0.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.698204 °	38.698204 °	
				-121.674080 °	-121.674080 °	
DWR ID	17756					
Comment Code						
Inspector Comment						
FS_ID:53252 DS_ID:17756 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation or drainage pipe through the levee, 3 feet below the crown. FS Date: 11/21/2018 8:24:23 AM						

Photo 3 of 3 : UCIP_SP_2019_53252_77496.jpg



LS: straight through pipe without any gates preventing water from WS to LS.

LM Start	1.44	Rating **	U	Issue No.	5	
LM End	1.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.677762 °	38.677762 °	
				-121.672875 °	-121.672875 °	
DWR ID	17754					
Comment Code						
Inspector Comment						
FS_ID:53860 DS_ID:17754 EP_NO: 10295 Repair Type: Urgent Crossing Status: Found UCIP Comments: 04/09/2019 Internal inspection was completed and the inspection shows separation of pipe at 22 degree turn. Sink hole visible on LS slope. Coordinating with DMP - Vince Rodriguez. Recommend repair or replace. (T. Skidgel - DWR Sacramento Yard)Found 48-inch CMP (not concrete culvert) and slide gate not found on LS end. FIELD_STRUCT_DESC: 48-inch corrugated metal pipe (CMP) sewer culvert through the levee, 18 feet below the crown. Slide gate on the landside (LS) end. (48-inch concrete culvert authorized under Automatic Board Order (ABO) issued as Permit No. 10295, 1974 - City of Woodland). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 4/9/2019 8:58:01 AM						

Photo 1 of 3 : UCIP_SP_2019_53860_60391.jpg



Waterside view: flap gate and concrete headwall. Abandoned slide gate on right.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	04/23/2019 04/23/2019	Zach Jojola

LM Start	1.44	Rating **	U	Issue No.	5 (cont)	
LM End	1.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.677762 °	38.677762 °	
				-121.672875 °	-121.672875 °	
DWR ID	17754					
Comment Code						
Inspector Comment						
FS_ID:53860 DS_ID:17754 EP_NO: 10295 Repair Type: Urgent Crossing Status: Found UCIP Comments: 04/09/2019 Internal inspection was completed and the inspection shows separation of pipe at 22 degree turn. Sink hole visible on LS slope. Coordinating with DMP - Vince Rodriguez. Recommend repair or replace. (T. Skidgel - DWR Sacramento Yard)Found 48-inch CMP (not concrete culvert) and slide gate not found on LS end. FIELD_STRUCT_DESC: 48-inch corrugated metal pipe (CMP) sewer culvert through the levee, 18 feet below the crown. Slide gate on the landside (LS) end. (48-inch concrete culvert authorized under Automatic Board Order (ABO) issued as Permit No. 10295, 1974 - City of Woodland). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 4/9/2019 8:58:01 AM						

LM Start	1.44	Rating **	U	Issue No.	5 (cont)
LM End	1.44	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_53860_60390.jpg



Waterside view: flap gate and concrete headwall.

Photo 3 of 3 : UCIP_SP_2019_53860_60389.jpg



Waterside view: 48-inch flap gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 04 West Levee			Right	3.61
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/30/2019 - 4/30/2019			
DWR Inspector	Zach Jojola			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	0.01	Rating **	M	Issue No.	16
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.574252 °	38.565763 °
				-121.638727 °	-121.638336 °
DWR ID	DWR_ST0011_04_s _ 2019_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.01	Rating **	M	Issue No.	15
LM End	0.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.574252 °	38.565763 °
				-121.638727 °	-121.638335 °
DWR ID	DWR_ST0011_04_s _ 2019_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	0.60	Rating **	A/W	Issue No.	21
LM End	0.60	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.565704 °	38.565704 °
				-121.638650 °	-121.638650 °
DWR ID	528				
Comment Code					
Inspector Comment					
FS_ID:44826 DS_ID:528 EP_NO: 10304 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. (30-inch pipe [HLM 0.59] authorized under Automatic Board Order (ABO) issued as Permit No. 10304, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 120, June 1952, (Station 446+08)]. FS Date: 4/28/2015 2:58:55 PM					

LM Start	0.60	Rating **	A/W	Issue No.	21 (cont)
LM End	0.60	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2019_44826_60517.jpg



Landside view: concrete headwall.

Photo 2 of 3 : UCIP_SP_2019_44826_60516.jpg



Landside view: closer look at the headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	0.60	Rating **	A/W	Issue No.	21 (cont)	
LM End	0.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.565704 °	38.565704 °	
				-121.638650 °	-121.638650 °	
DWR ID	528					
Comment Code						
Inspector Comment						
FS_ID:44826 DS_ID:528 EP_NO: 10304 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. (30-inch pipe [HLM 0.59] authorized under Automatic Board Order (ABO) issued as Permit No. 10304, 1974 - Southern Pacific Transportation Company). [Additional Reference(s): DWR Levee Log, 2004. USACE Sacramento O&M Manual 120, June 1952, (Station 446+08)]. FS Date: 4/28/2015 2:58:55 PM						

Photo 3 of 3 : UCIP_SP_2019_44826_60520.jpg



Landside view: overview

LM Start	0.62	Rating **	M	Issue No.	22
LM End	0.62	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.565489 °	38.565489 °
				-121.638513 °	-121.638513 °
DWR ID	527				
Comment Code					
Inspector Comment					
FS_ID:44840					
DS_ID:527					
EP_NO: 6810					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to contact owner to determine status of pipeline and provide markers if appropriate.					
FIELD_STRUCT_DESC: 1 of 2: 4.5-inch coated steel natural gas pipeline through the levee, 3 feet below the crown. (4.5-inch pipeline authorized under Permit No. 6810, 1969 - Getty Oil Company).					
[Additional Reference(s): DWR Levee Log, 2004].					
FS Date: 4/28/2015 3:04:20 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	0.62	Rating **	M	Issue No.	23
LM End	0.62	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.565473 °	38.565473 °
				-121.638505 °	-121.638505 °
DWR ID	17741				
Comment Code					
Inspector Comment					
FS_ID:44841					
DS_ID:17741					
EP_NO: 6810					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to contact owner to determine status of crossing and install signs if it is appropriate to do so.					
FIELD_STRUCT_DESC: 2 of 2: 4.5-inch coated steel natural gas pipeline through the levee, 3 feet below the crown. (4.5-inch pipeline authorized under Permit No. 7230, 1970 - Getty Oil Company).					
[Additional Reference(s): DWR Levee Log, 2004].					
FS Date: 4/28/2015 3:04:32 PM					

No Photos

LM Start	0.90	Rating **	C	Issue No.	14
LM End	0.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.561326 °	38.561326 °
				-121.638203 °	-121.638203 °
DWR ID	DWR_ST0011_04_f_2018_14				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Cracks near the access gate. Recommend monitoring.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	0.91	Rating **	M	Issue No.	6
LM End	1.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561233 °	38.559502 °
				-121.638182 °	-121.637810 °
DWR ID	DWR_ST0011_04_s_2015_6				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee on the landward side.					

Photo 1 of 1 : SP_2019_ST0011_294_6_20190304_00004.jpg



View of the ditch on the landward side of the levee looking downstream. Spring 2015.

LM Start	0.91	Rating **	M	Issue No.	18	
LM End	3.61	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.561168 °	38.523743 °	
				-121.638160 °	-121.631458 °	
DWR ID	DWR_ST0011_04_s_2019_18					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

No Photos

LM Start	0.91	Rating **	M	Issue No.	20
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.561168 °	38.523743 °
				-121.638160 °	-121.631458 °
DWR ID	DWR_ST0011_04_s_2019_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2019_ST0011_294_20_20190430_00016.jpg



View of vegetation on the waterside slope. Spring 2019.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	0.99	Rating **	M	Issue No.	24	
LM End	0.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.560139 °	38.560139 °	
				-121.638007 °	-121.638007 °	
DWR ID	530					
Comment Code						
Inspector Comment						
FS_ID:44842 DS_ID:530 EP_NO: 6844 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of crossing and add markers if it is appropriate to do so. FIELD_STRUCT_DESC: 1 of 3: 3-inch coated steel natural gas line through the levee, 8.2 feet below the crown. (Gas line authorized under Permit No. 6844, 1969 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 4/28/2015 3:04:44 PM						

No Photos

LM Start	0.99	Rating **	M	Issue No.	25	
LM End	0.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.560128 °	38.560128 °	
				-121.638004 °	-121.638004 °	
DWR ID	17739					
Comment Code						
Inspector Comment						
FS_ID:44843 DS_ID:17739 EP_NO: 6844 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of crossing and add gasline markers if it is appropriate to do so. FIELD_STRUCT_DESC: 2 of 3: 3-inch coated steel natural gas line through the levee, 8.2 feet below the crown. (Gas line authorized under Permit No. 6844, 1969 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 4/28/2015 3:04:58 PM						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	0.99	Rating **	M	Issue No.	26
LM End	0.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.560117 °	38.560117 °
				-121.638001 °	-121.638001 °
DWR ID	17740				
Comment Code					
Inspector Comment					
FS_ID:44844					
DS_ID:17740					
EP_NO: 6844					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing and add gasline markers if it is appropriate to do so.					
FIELD_STRUCT_DESC: 3 of 3: 3-inch coated steel natural gas line through the levee, 8.2 feet below the crown. (Gas line authorized under Permit No. 6844, 1969 - Atlantic Oil Company). [Additional Reference(s): DWR Levee Log, 2004].					
FS Date: 4/28/2015 3:05:16 PM					

No Photos

LM Start	1.77	Rating **	M	Issue No.	3
LM End	2.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.550387 °	38.536958 °
				-121.631257 °	-121.631450 °
DWR ID	DWR_ST0011_04_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee on the landward side.					

Photo 1 of 1 : SP_2019_ST0011_294_3_20190304_00001.jpg



View of the ditch along the levee toe on the landward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	2.10	Rating **	A/W	Issue No.	27
LM End	2.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.545646 °	38.545646 °
				-121.631172 °	-121.631172 °
DWR ID	17736				
Comment Code					
Inspector Comment					
FS_ID:44822 DS_ID:17736 EP_NO: 10306 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Farmer cleans this screw gate every year FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 21.5 feet below the crown. 42-inch steel pipe inside the 48-inch pipe. Flap gate on the waterside (WS) with two cutoff walls, one headwall, and one saddle and apron. (48-inch pipe [HLM 2.12] authorized under Automatic Board Order (ABO) issued as Permit No. 10306, 1974 - Wells Fargo Bank, Trustees for Cowell Foundation). [Additional Reference(s): USACE Sacramento O&M Manual 119, December 1952, (Station 80+00)]. FS Date: 4/28/2015 2:57:49 PM					

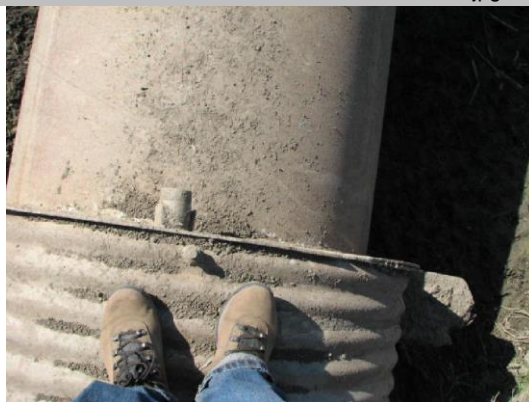
LM Start	2.10	Rating **	A/W	Issue No.	27 (cont)
LM End	2.10	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2019_44822_24980.jpg



Landside view: 42-inch steel pipe inside a 48-inch CMP

Photo 2 of 3 : UCIP_SP_2019_44822_24979.jpg



Landside view: closer look at 42-inch steel pipe and 48-inch CMP

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	2.10	Rating **	A/W	Issue No.	27 (cont)	
LM End	2.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.545646 °	38.545646 °	
				-121.631172 °	-121.631172 °	
DWR ID	17736					
Comment Code						
Inspector Comment						
FS_ID:44822 DS_ID:17736 EP_NO: 10306 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Farmer cleans this screw gate every year FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 21.5 feet below the crown. 42-inch steel pipe inside the 48-inch pipe. Flap gate on the waterside (WS) with two cutoff walls, one headwall, and one saddle and apron. (48-inch pipe [HLM 2.12] authorized under Automatic Board Order (ABO) issued as Permit No. 10306, 1974 - Wells Fargo Bank, Trustees for Cowell Foundation). [Additional Reference(s): USACE Sacramento O&M Manual 119, December 1952, (Station 80+00)]. FS Date: 4/28/2015 2:57:49 PM						

Photo 3 of 3 : UCIP_SP_2019_44822_24978.jpg



Landside view: closer look at 42-inch steel pipe and 48-inch CMP

LM Start	2.11	Rating **	C	Issue No.	19
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.545430 °	38.545430 °
				-121.631211 °	-121.631211 °
DWR ID	DWR_ST0011_04_f_2016_19				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
It appears that the ditch is beginning to erode the landside levee toe, but is not within the levee prism. Recommend monitoring.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	2.14	Rating **	C	Issue No.	17
LM End	2.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.545022 °	38.545022 °
				-121.631209 °	-121.631209 °
DWR ID	DWR_ST0011_04_f_2016_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
It appears that the ditch is beginning to erode the landside levee toe, but is not within the levee prism. Recommend monitoring.					

No Photos

LM Start	2.23	Rating **	M	Issue No.	28
LM End	2.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.543645 °	38.543645 °
				-121.631199 °	-121.631199 °
DWR ID	532				
Comment Code					
Inspector Comment					
FS_ID:44838 DS_ID:532 EP_NO: 13135 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of crossing and add markers if its appropriate to do so. FIELD_STRUCT_DESC: 2-inch coated steel natural gas pipeline through the levee, 4 feet below the crown. (2-inch pipeline authorized under Permit No. 13135, 1981 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 4/28/2015 3:03:13 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	2.50	Rating **	M	Issue No.	29
LM End	2.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.539852 °	38.539852 °
				-121.631247 °	-121.631247 °
DWR ID	584				
Comment Code					
Inspector Comment					
FS_ID:44839 DS_ID:584 EP_NO: 13350 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing and add gasline markers if its appropriate to do so. FIELD_STRUCT_DESC: To install a 2-inch coated steel natural gas pipeline through the levee, 4 feet below the crown. (2-inch pipeline authorized under Permit No. 13350, 1982 - TXO Production Corporation). FS Date: 4/28/2015 3:03:26 PM					

No Photos

LM Start	2.75	Rating **	M	Issue No.	4
LM End	3.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.536100 °	38.523807 °
				-121.631425 °	-121.631535 °
DWR ID	DWR_ST0011_04_f_2018_4				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the levee toe on the landward side of the levee.					

Photo 1 of 2 : SP_2019_ST0011_294_4_20190304_00002.jpg



The ditch is at the levee toe on the landward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/30/2019 04/30/2019	Zach Jojola

LM Start	2.75	Rating **	M	Issue No.	4 (cont)	
LM End	3.60	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.536100 °		38.523807 °
				-121.631425 °		-121.631535 °
DWR ID	DWR_ST0011_04_f_2018_4					
Comment Code						
DT : Ditch						
Inspector Comment						
The ditch is at the levee toe on the landward side of the levee.						

Photo 2 of 2 : SP_2019_ST0011_294_4_20190304_00003.jpg



Looking west at the agricultural ditch. Fall 2015.

LM Start	3.61	Rating **	M	Issue No.	13
LM End	3.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.523683 °	38.523683 °
				-121.631463 °	-121.631463 °
DWR ID	DWR_ST0011_04_f_2018_13				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is erosion on the landside toe because of an irrigation canal. Sac Yard is aware of the issue and intends to fix it.					

Photo 1 of 1 : SP_2019_ST0011_294_13_20190304_00005.jpg



View of erosion on the landside slope adjacent to irrigation canal. Fall 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			